FEDERAL ITEM IDENTIFICATION GUIDE

DUMMY LOAD, ELECTRICAL

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

Index of Master Requirement Codes

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
DUMMY LOAD, ELECTRICAL	00335	A

A specific electrical element or set of electrical elements that are connected together to form a fixed arrangement and used as a substitute load for terminating an electrical circuit. A dummy load contains all the essential electrical characteristics necessary to terminate the circuit but does not function in the same manner as the load which it replaces. Examples are resistors used to replace antennas, batteries, loudspeakers, or the like. Includes single port terminations of twin lead, coaxial and waveguide transmission lines as low power terminations of a section of a transmission system in a specified manner. Includes dummy loads when arranged in a group or bank. Excludes power absorbers. See also LOAD BANK, ELECTRICAL.

APPLICABILITY KEY INDEX

	A
NAME	X
STYL	X
ABHP	AR
ABKQ	AR
ABKR	AR
ABKW	AR
ABMK	AR
ABPM	AR
ADAQ	AR
ADAT	AR
ADAU	AR
ADAV	AR
AFGQ	X
AJDB	X
AAQF	AR
ACYW	X
AHTW	X
AKNK	AR
AKRZ	X
AXDC	AR
AKSB	AR
AWNC	AR
AKSA	AR
AHUC	AR
AHUD	AR
BFMF	X
AWNJ	AR
AWNL	AR
AAXT	AR
AELA	AR
AELB	AR
AELC	AR
AELD	AR
ASWT	AR
AKSC	AR
ASAZ	AR
AKSD	AR
ARNH	X
CBBL	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR

PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
CXCY	AR
AWPB	AR
AFJK	AR
AFJN	AR
BBRG	AR
BBRJ	AR
ANRW	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
AGAV	AR
ZZZP	AR
ZZZV	AR

SECTION I

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code appearing in the Index of Approved Item Names. (e.g., NAMED00335*)

ALL			
	STYL	L	STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable style designator from Appendix B , Reference Drawing Group A. (e.g., STYLL2A*)

ALL			
	AFGQ	J	FREQUENCY RANGE RATING

Definition: THE RANGE OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value, separated by a slash. Precede each value with a P. (e.g., AFGQJKP0.000/P1.600*)

If the minimum value of the frequency range is given as DC (direct current), enter the numeric value as 0.000.

If the frequency range of the item is between two units of measure, enter the applicable Reply Code for the unit of measure of the highest frequency, followed by the numeric value. For example, a range of 100 Hertz to 10 Kilohertz would be entered as Kilohertz. (e.g., AFGQJKP0.100/P10.000*; AFGQJMP3.000/P10.000$$JMP5.000/P9.000*)

REPLY CODE	REPLY (AC32)

APP Key	MRC	Mode Code	Requirements
		G	GIGAHERTZ
		E	HERTZ
		K	KILOHERTZ
		M	MEGAHERTZ

ALL

AJDB J POWER RATING

Definition: THE AMOUNT OF ELECTRICAL ENERGY THAT CAN BE DISSIPATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJDBJWD100.000*; AJDBJWC140.000$$JWD100.000*)

Table 1

REPLY CODE	REPLY (AC33)
L	KILOWATTS
R	MEGAWATTS
W	WATTS

Table 2

REPLY CODE	REPLY (AF65)
D	AVERAGE (RMS)
C	PEAK

ALL*

AAQF B AMBIENT TEMP IN DEG CELSIUS AT FULL RATED POWER

Definition: THE AMBIENT TEMPERATURE OF THE MEDIUM SURROUNDING AN ITEM AT WHICH IT CAN BE OPERATED CONTINUOUSLY AT FULL RATED POWER, EXPRESSED IN DEGREES CELSIUS.

Reply Instructions: Enter the numeric value. (e.g., AAQFB25.0*; AAQFBM40.0$$B45.0*)

ALL

ACYW J IMPEDANCE RATING IN OHMS

APP Key	MRC	Mode Code	Requirements

Definition: THE TOTAL OPPOSITION (RESISTIVE AND REACTIVE) WHICH THE ITEM OFFERS TO THE FLOW OF ALTERNATING CURRENT, EXPRESSED IN OHMS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ACYWJA50.0*; ACYWJB48.0$$JC52.0*; ACYWJA8.0$$JA16.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AHTW B VOLTAGE STANDING WAVE RATIO

Definition: THE RATIO OF THE MAXIMUM TO THE MINIMUM AMPLITUDE OF PRESSURE (VOLTAGE) MEASURED ALONG THE PATH OF THE WAVES.

Reply Instructions: Enter the numeric value. (e.g., AHTWB1.30*; AHTWB1.35$$B1.50*)

ALL*

AKNK J VOLTAGE STANDING WAVE RATIO FREQUENCY RANGE

Definition: THE MINIMUM AND MAXIMUM VALUES OF THE FREQUENCY RANGE IN WHICH THE VOLTAGE STANDING WAVE RATIO IS SPECIFIED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value, separated by a slash. Precede each value with a P. (e.g., AKNKJKP0.000/P20.000*; AKNKJGP0.000/P11.000$$JGP11.000/P12.400*)

The VSWR frequency range entered must include the frequency range recorded in MRC AFGQ. When source data does not specify the frequency of the VSWR, enter the same frequency range as MRC AFGQ.

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

APP Key	MRC	Mode Code	Requirements

ALL

AKRZ D TERMINATION TYPE

Definition: INDICATES THE TYPE OF FACILITY PROVIDED ON THE DEVICE FOR ATTACHING TO ANOTHER ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKRZDAK*; AKRZDAK$$DAL*; AKRZDAK$DAL*)

REPLY CODE	REPLY (AE79)
ET	BINDING POST
AM	COAXIAL LINE FLANGE
AK	CONNECTION COAXIAL
EK	CONNECTOR
AB	CONNECTOR RECEPTACLE
AL	WAVEGUIDE FLANGE

NOTE FOR MRCS AXDC AND AKSB: IF REPLY CODE AM IS ENTERED FOR MRC AKRZ, REPLY TO MRCS AXDC AND AKSB.

ALL* (See Note Above)

AXDC D COAXIAL LINE FLANGE TYPE

Definition: INDICATES THE TYPE OF COAXIAL LINE FLANGE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDCDAFG*)

REPLY CODE	REPLY (AK54)
AFG	RIGID
AJX	ROTATABLE

ALL* (See Note Preceding MRC AXDC)

AKSB J COAXIAL LINE FLANGE NOMINAL SIZE

Definition: THE DESIGNATION OR TERM USED TO DEFINE THE NOMINAL SIZE THE COAXIAL LINE FLANGE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AKSBJA1.625*; AKSBJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

NOTE FOR MRCS AWNC AND AKSA: IF REPLY CODE AL IS ENTERED FOR MRC AKRZ, REPLY TO MRCS AWNC AND AKSA.

ALL* (See Note Above)

AWNC J INTERNAL OPERATING PRESSURE

Definition: THE NOMINAL EXERTED OUTWARD FORCE, PER UNIT OF AREA, FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWNCJG30.0*; AWNCJC12.5*)

REPLY CODE	REPLY (AB18)
G	POUNDS PER SQUARE INCH GAGE

ALL* (See Note Preceding MRC AWNC)

AKSA A WAVEGUIDE FLANGE DESIGNATION

Definition: THE ALPHABETICAL CHARACTERS AND NUMERALS WHICH IDENTIFY THE SPECIFIC WAVEGUIDE FLANGE TYPE.

Reply Instructions: Enter the UG designator. (e.g., AKSAAUG-53/U*)

If source data specifies the waveguide designator, see Appendix C, Table 2, for the appropriate flange.

NOTE FOR MRCS AHUC AND AHUD: IF REPLY CODE AK IS ENTERED FOR MRC AKRZ, REPLY TO MRCS AHUC AND AHUD.

ALL* (See Note Above)

AHUC D COAXIAL CONNECTOR SERIES DESIGNATION

APP Key	MRC	Mode Code	Requirements

Definition: A LETTER OR GROUP OF LETTERS USED TO DESIGNATE THE PARTICULAR COAXIAL CONNECTOR SERIES.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., AHUCDAB*; AHUCDAN$$DBF*; AHUCDAJ$DAV*)

ALL* (See Note Preceding MRC AHUC)

AHUD D CONNECTOR END DESIGN

Definition: THE DESIGN OF THE CONNECTOR END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHUDDA*; AHUDDA$$DB*)

REPLY CODE	REPLY (AB60)
B	FEMALE
A	MALE
C	NEUTER

ALL

BFMF D COOLING METHOD

Definition: THE MEANS OF COOLING USED TO MAINTAIN THE REQUIRED OPERATING TEMPERATURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFMFDAAT*; BFMFDAAP$$DAAT*; BFMFDAAT$DAAP*)

If a specific cooling method is not specified and the body style does not indicate an internal cooling method, enter Reply Code AAT.

REPLY CODE	REPLY (AN05)
AAP	FORCED AIR (includes blower)
AAW	FORCED LIQUID (circulating)
AAQ	LIQUID (non-circulating)
AAT	SELF-COOLED (may have fins for cooling by the ambient temperature)

NOTE FOR MRCS AWNJ, AWNL, AND AAXT: IF REPLY CODE AAW IS ENTERED FOR MRC BFMF, REPLY TO MRCS AWNJ, AWNL, AND AAXT.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

AWNJ J COOLANT CHAMBER PRESSURE

Definition: THE NOMINAL OUTWARD FORCE, PER UNIT OF AREA, OF THE COOLANT CHAMBER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWNJJG35.0*; AWNJJC15.0*)

REPLY CODE	REPLY (AB18)
C	KILOGRAMS PER SQUARE CENTIMETER GAGE
L #	KILOPASCALS
G	POUNDS PER SQUARE INCH GAGE

ALL* (See Note Preceding MRC AWNJ)

AWNL J INPUT COOLANT TEMP

Definition: THE INPUT TEMPERATURE OF THE COOLANT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWNLJC50.0*)

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

ALL* (See Note Preceding MRC AWNJ)

AAXT J COOLING SYSTEM COOLANT FLOW RATE

Definition: THE AMOUNT OF COOLANT NECESSARY TO MAINTAIN THE REQUIRED OPERATING TEMPERATURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAXTJM23.0*; AAXTJE50.0*)

REPLY CODE	REPLY (AC64)
A	CUBIC FEET PER MINUTE
C	CUBIC METERS PER MINUTE

APP Key	MRC	Mode Code	Requirements
		B #	CUBIC METERS PER SECOND
		M	GALLONS PER MINUTE
		E	LITERS PER MINUTE

NOTE FOR MRCS AELA AND AELB: IF REPLY CODE AAP IS ENTERED FOR MRC BFMF, REPLY TO MRCS AELA AND AELB.

ALL* (See Note Above)

AELA D BLOWER UNIT MOTOR CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT FOR WHICH THE BLOWER UNIT MOTOR IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AELADB*; AELADB$$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL* (See Note Preceding MRC AELA)

AELB B BLOWER UNIT MOTOR VOLTAGE RATING IN VOLTS

Definition: THE ELECTRICAL VOLTAGE VALUE FOR WHICH THE BLOWER UNIT MOTOR IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., AELBB115.0*; AELBB115.0$$B120.0*)

NOTE FOR MRCS AELC AND AELD: IF REPLY CODE B IS ENTERED FOR MRC AELA, REPLY TO MRCS AELC AND AELD.

ALL* (See Note Above)

AELC B BLOWER UNIT MOTOR FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE BLOWER UNIT MOTOR ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., AELCB60.0*; AELCB50.0$$B60.0*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AELC)

AELD D BLOWER UNIT MOTOR INPUT PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES OF THE BLOWER UNIT MOTOR INPUT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AELDDA*; AELDDA$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

NOTE FOR MRCS ASWT AND AKSC: IF REPLY CODE AAQ OR AAW IS ENTERED FOR MRC BFMF, REPLY TO MRCS ASWT AND AKSC.

ALL* (See Note Above)

ASWT J INTAKE CONNECTION THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE INTAKE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the thread size of the coolant input connection.

(e.g., ASWTJNP1/2-14*)

If metric system thread designation, enter applicable Reply Code from Appendix A, Table 1, followed by the diameter (in millimeters), an X, and the pitch (in millimeters). (e.g., ASWTJSS0.8X0.125*)

ALL* (See Note Preceding MRC ASWT)

AKSC D INTAKE CONNECTION THREAD LOCATION

Definition: INDICATES THE LOCATION OF THE THREADS ON THE INTAKE CONNECTION.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKSCDABY*)

REPLY CODE	REPLY (AJ91)
ABY	EXTERNAL
ABX	INTERNAL

NOTE FOR MRCS ASAZ AND AKSD: IF REPLY CODE AAW IS ENTERED FOR MRC BFMF, REPLY TO MRCS ASAZ AND AKSD.

ALL* (See Note Above)

ASAZ J DISCHARGE CONNECTION THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE DISCHARGE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the thread size of the coolant output connection.

(e.g., ASAZJNP1/2-14*)

If metric system thread designation, enter the applicable Reply Code from Appendix A, Table 1, followed by the diameter (in millimeters), an X, and the pitch (in millimeters). (e.g., ASAZJSS0.8X0.125*)

ALL* (See Note Preceding MRC ASAZ)

AKSD D DISCHARGE CONNECTION THREAD LOCATION

Definition: INDICATES THE LOCATION OF THE THREADS ON A DISCHARGE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKSDDABX*)

REPLY CODE	REPLY (AJ91)
ABY	EXTERNAL
ABX	INTERNAL

APP Key	MRC	Mode Code	Requirements

ALL

ARNH D OPERATING POSITION

Definition: THE POSITION IN WHICH THE ITEM IS DESIGNED TO OPERATE

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARNHDAC*; ARNHDAC$DAB*)

REPLY CODE	REPLY (AF63)
AY	ALL POSITIONS
AC	HORIZONTAL
AB	VERTICAL

NOTE FOR MRCS CBBL AND FEAT: IF A REPLY IS NOT IN THE TABLE FOR CBBL, ENTER THE FEATURE IN MRC FEAT

ALL* (See Note Above)

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDFNY)*

REPLY CODE	REPLY (AN47)
FNY	ROHS DIRECTIVE COMPLIANCE

ALL*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

ALL*			
	SPCL	G	SPECIAL TEST FEATURES

APP Key	MRC	Mode Code	Requirements

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION

APP Key	MRC	Mode Code	Requirements
		P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX G DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

CRTL A CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

PRPY A PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

ELRN G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the “&” character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the reply code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

APP Key	MRC	Mode Code	Requirements
	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

ALL*

	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

SECTION III

APP Key	MRC	Mode Code	Requirements
ALL			
	AWPB	D	RF CONNECTOR CHANGING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A FEATURE IS INCLUDED FOR RF CONNECTOR CHANGING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWPBDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

ALL

AFJK J CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJF1.000*; AFJKJE0.8*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
D	CUBIC DECIMETERS
F	CUBIC FEET
B	CUBIC INCHES
E	CUBIC METERS

ALL

AFJN D FRAGILITY FACTOR

Definition: THE MEASURE OF SENSITIVITY OF THE ITEM TO BE PACKAGED. A FACTOR USED BY PACKAGING ENGINEERS IN DEVISING PROPER CUSHIONING IN A PACKAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJNDF*)

REPLY CODE	REPLY (AD40)
D	DELICATE
B	EXTREMELY FRAGILE
E	MODERATELY DELICATE
F	MODERATELY RUGGED
G	RUGGED
C	VERY DELICATE

ALL

BBRG D STORAGE TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF STORAGE SPACE REQUIRED FOR AN ITEM IN ORDER TO PROVIDE THE DEGREE OF PROTECTION NECESSARY TO MAINTAIN SERVICEABILITY STANDARDS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBRGDAJ*; BBRGDAD$$DAN*; BBRGDAM$DAD*)

REPLY CODE	REPLY (AM81)
AC	CLOSED SHED
AD	CONTROLLED HUMIDITY WAREHOUSE
AM	DEHUMIDIFIED WAREHOUSE
AE	GENERAL PURPOSE WAREHOUSE
AN	HEATED WAREHOUSE
AH	OPEN SHED
AJ	UNHEATED WAREHOUSE

ALL

BBRJ D SPECIAL HANDLING FEATURE

Definition: THE UNUSUAL OR UNIQUE CHARACTERISTIC(S) OR QUALITY(IES) OF AN ITEM WHICH NECESSITATES THE ESTABLISHMENT OF A REQUIREMENT FOR SPECIAL HANDLING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBRJDAB*; BBRJDAB$$DAH*)

REPLY CODE	REPLY (AM83)
AB	CORROSIVE
AK	MAGNETIC
AH	RADIOACTIVE

ALL

ANRW G RADIONUCLIDES DATA

Definition: THE AMOUNT OF THE RADIONUCLIDES AS DETERMINED BY THE TYPE OF MATERIAL AND THE PARTICULAR DEVICE BEING TRANSPORTED.

Reply Instructions: Enter the reply in clear text. (e.g., ANRWG3.0AR-37, MATERIAL ELEMENT ARGON (18), TRANSPORT GROUP VI*)

APP Key	MRC	Mode Code	Requirements
ALL			
	PRMT	D	PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAUA000$DAGA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

APP Key	MRC	Mode Code	Requirements
ALL			
	PMWT	J	PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*; PMWTJAUA000F0.500$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)

APP Key	MRC	Mode Code	Requirements
		E	GRAINS, TROY
		R	GRAMS
		F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAUA000TERMINALS$JAGA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERSITICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS INCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

FCLS A FUNCTIONAL CLASSIFICATION

APP Key	MRC	Mode Code	Requirements

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document. (e.g., FCLSAHH-1.5*)

ALL

FTLD G FUNCTIONAL DESCRIPTION

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN A TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data. (e.g., TMDNAMSV-615/M*)

ALL

RTSE G RELATIONAHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data. (e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)

ALL

RDAL G REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

APP Key	MRC	Mode Code	Requirements
	Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item. (e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)		
ALL			
	NTRD	A	ENTRY DATA
	Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.		
	Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day. (e.g., NTRDA80-05-28*)		
ALL			
	AGAV	G	END ITEM IDENTIFICATION
	Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.		
	Reply Instructions: Enter the reply in clear text.		
	(e.g., AGAVG3930-00-000-0000*;		
	AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)		
ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
	Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION FO A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.		
	Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.		
	(e.g., ZZZPJ81A37-30624A*)		
ALL			
	ZZZV	G	FSC APPLICATION DATA

APP Key	MRC	Mode Code	Requirements
			Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.
			Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

Reply Tables

Table 1 - THREAD SERIES/TYPES
THREAD SERIES/TYPES

REPLY CODE	REPLY (AH06)
PL	BSP.PL
TT	BUTTRESS
SM	ISO M
SS	ISO S
NG	NGO
NH	NH
SP	NPS
SC	NPSC
SF	NPSF
SH	NPSH
PS	NPSI
SL	NPSL
PM	NPSM
NP	NPT
NT	NPTF
TR	NPTR
TS	NPTS
PT	PTF-SAE SHORT
PP	PTF-SPL
PE	PTF-SPL EXTRA SHORT
PF	PTF-SPL SHORT
SG	SGT
SQ	SQUARE
ST	STD STUB ACME
SA	STUB ACME
SE	STUB ACME M1
SB	STUB ACME M2
WW	WHITWORTH

Table 2 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING

REPLY CODE	REPLY (AD08)
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 3 - CONNECTOR SERIES DESIGNATIONS

CONNECTOR SERIES DESIGNATIONS

REPLY CODE	REPLY (AD08)
AH	BN
AB	BNC
BB	BRM
AC	C
AD	HN
AE	LC
AQ	LN
AF	LT
AR	MB
AJ	N
BC	OSM
BD	OSSM
BE	PULSE
AV	QC
AK	QDL
AL	QDS
AX	QL
AW	QM
AY	SKL
AP	SM
BP	SMA
BL	TM
AG	TNC
AZ	TND
AM	TPS
BF	TWIN
AN	UHF

Reference Drawing Groups

REFERENCE DRAWING GROUP A Tables
ELECTRICAL DUMMY LOAD STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA12.000*; ABHPJLA25.4*; ABHPJAB8.500$$JAC9.000*)

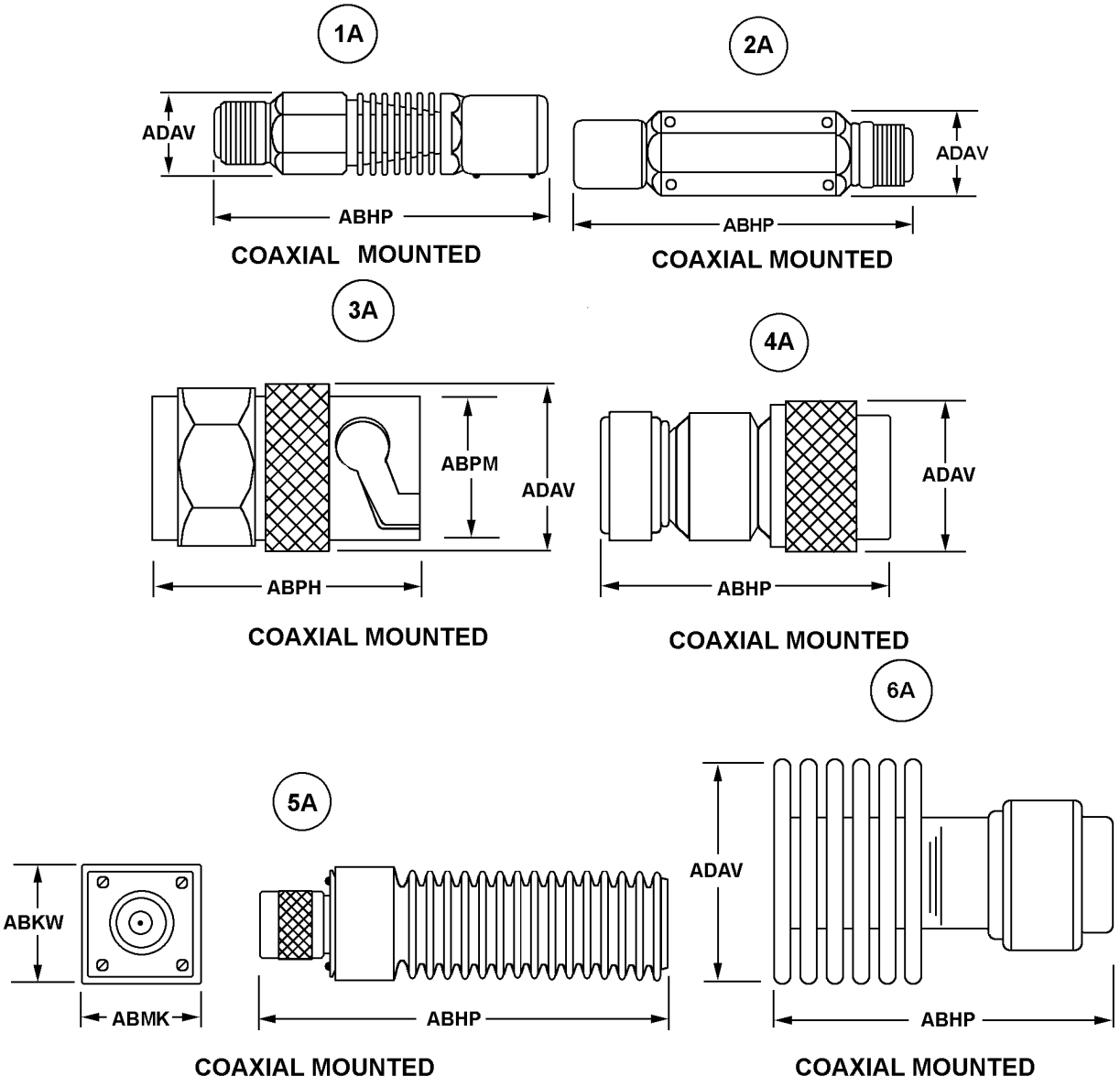
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

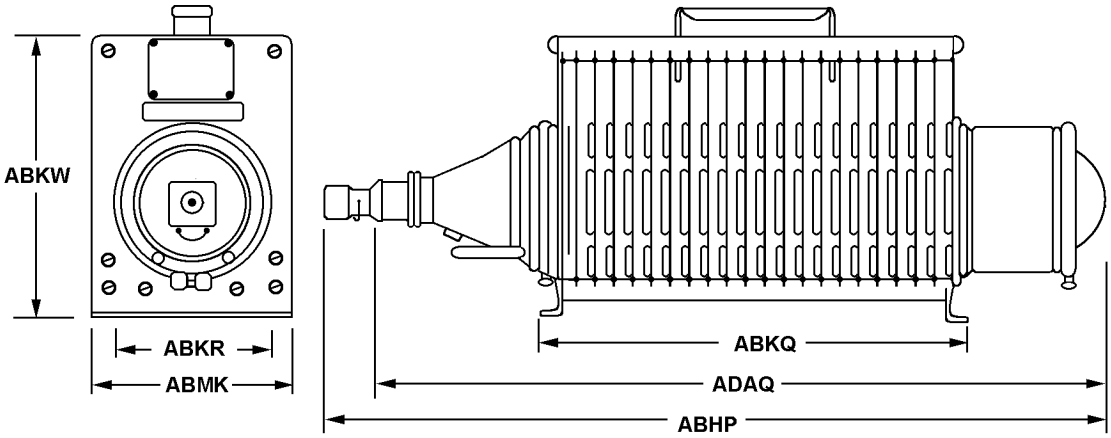
MRC	Mode Code	Name of Dimension
ABHP	J	OVERALL LENGTH
ABKQ	J	CENTER TO CENTER DISTANCE BETWEEN MOUNTING FACILITIES PARALLEL TO THE LENGTH
ABKR	J	CENTER TO CENTER DISTANCE BETWEEN MOUNTING FACILITIES PARALLEL TO THE WIDTH
ABKW	J	OVERALL HEIGHT
ABMK	J	OVERALL WIDTH
ABPM	J	BODY DIAMETER
ADAQ	J	BODY LENGTH
ADAT	J	BODY WIDTH
ADAU	J	BODY HEIGHT
ADAV	J	OVERALL DIAMETER

REFERENCE DRAWING GROUP A

ELECTRICAL DUMMY LOAD STYLES

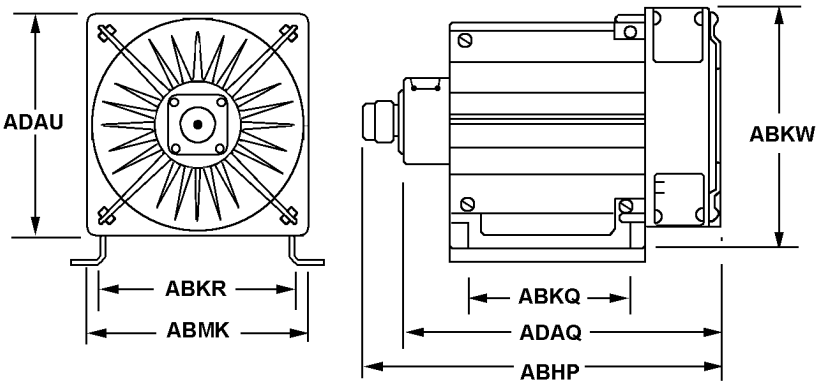


7A



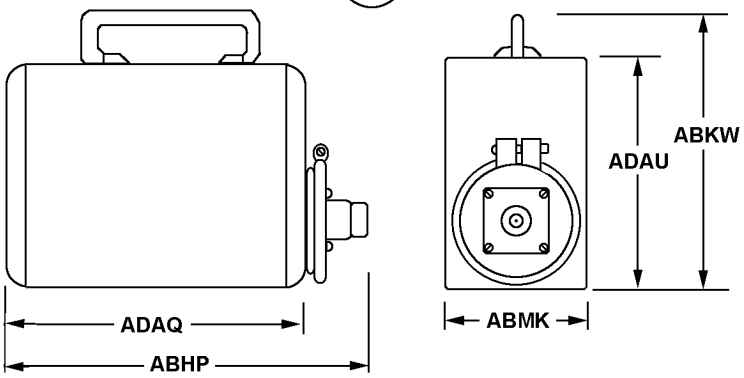
RF CONNECTOR, 4HOLE MOUNTED

8A



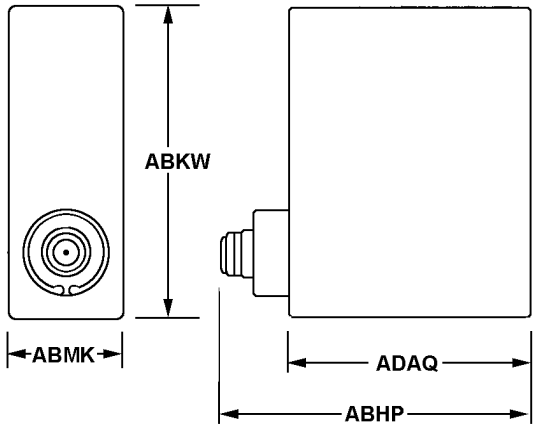
RF CONNECTOR, 4 HOLE MOUNTED

9A



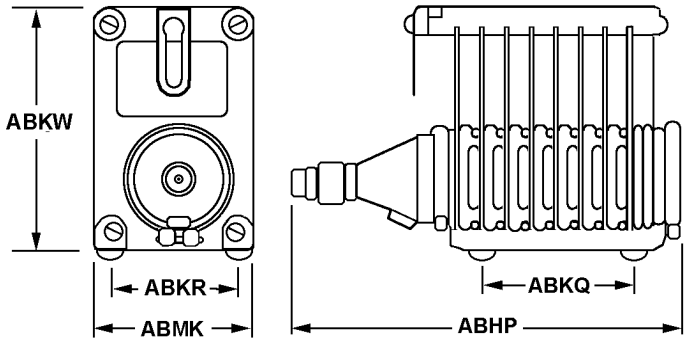
RF CONNECTOR, SURFACE MOUNTED

10A



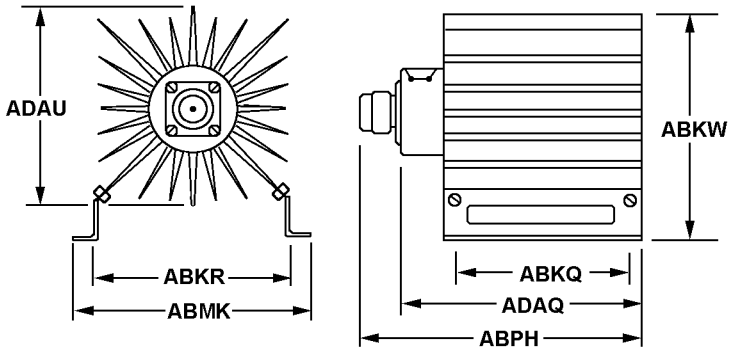
RF CONNECTOR, SURFACE MOUNTED

11A



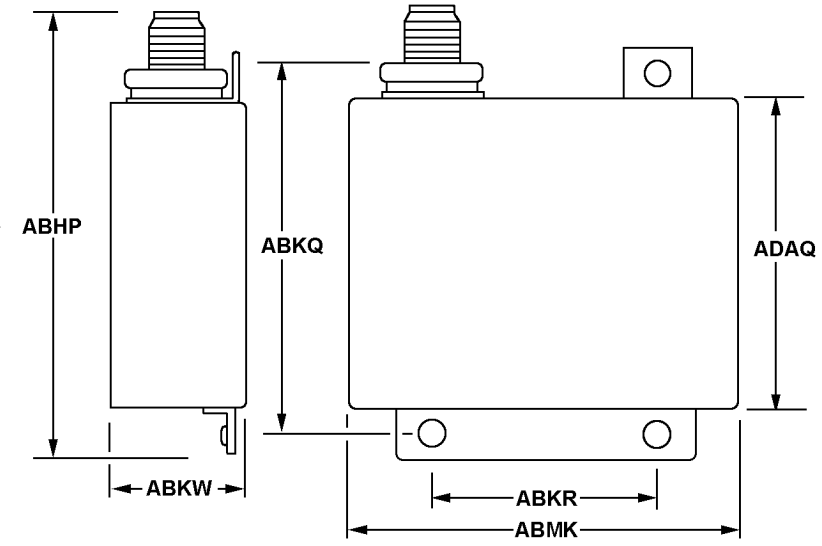
RF CONNECTOR, 4 HOLE OR CUSHION MOUNTED

12A

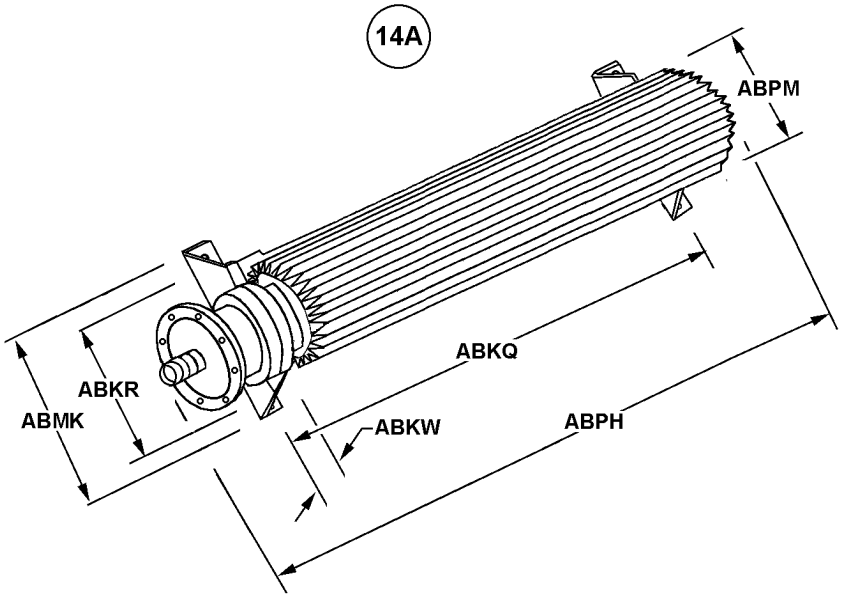


RF CONNECTOR, 4 HOLE MOUNTED

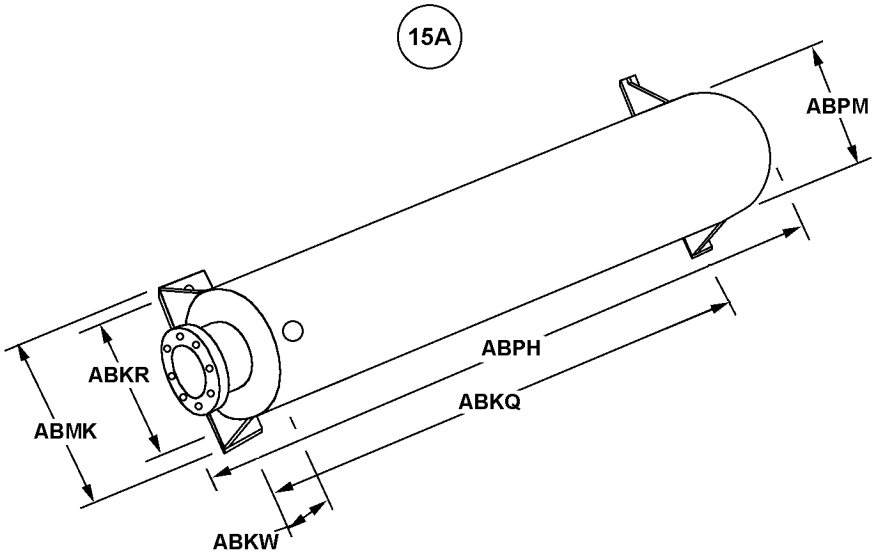
13A



RF CONNECTOR, 3 HOLE MOUNTED

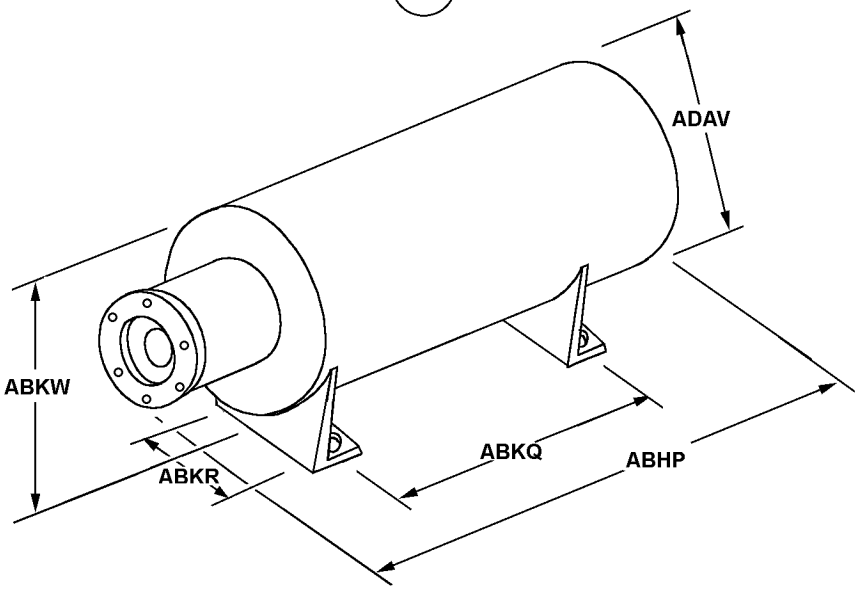


FLANGE, 4 HOLE MOUNTED



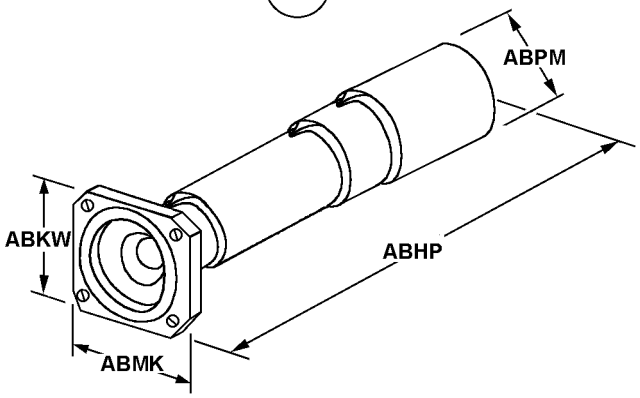
FLANGE, 4 HOLE MOUNTED

16A

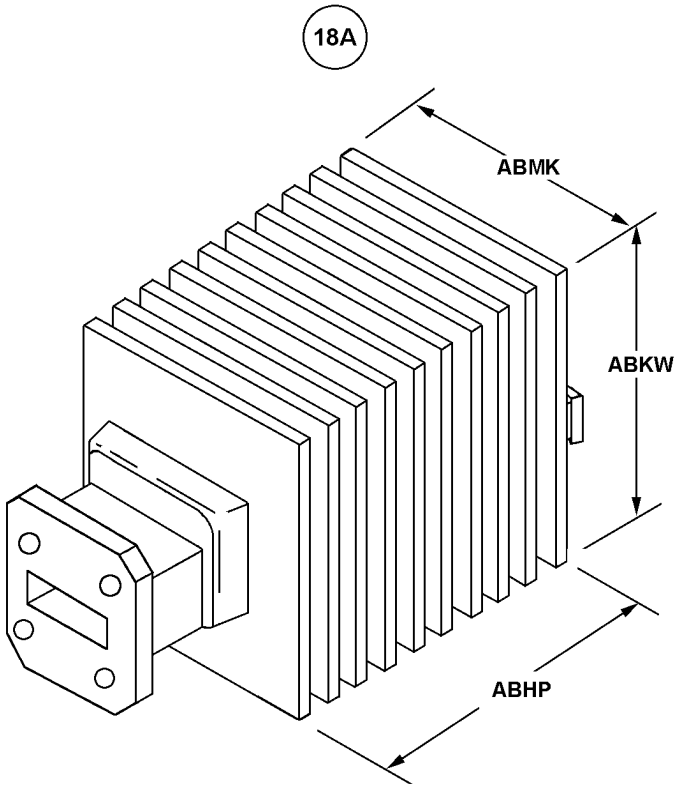


FLANGE, 4 HOLE MOUNTED

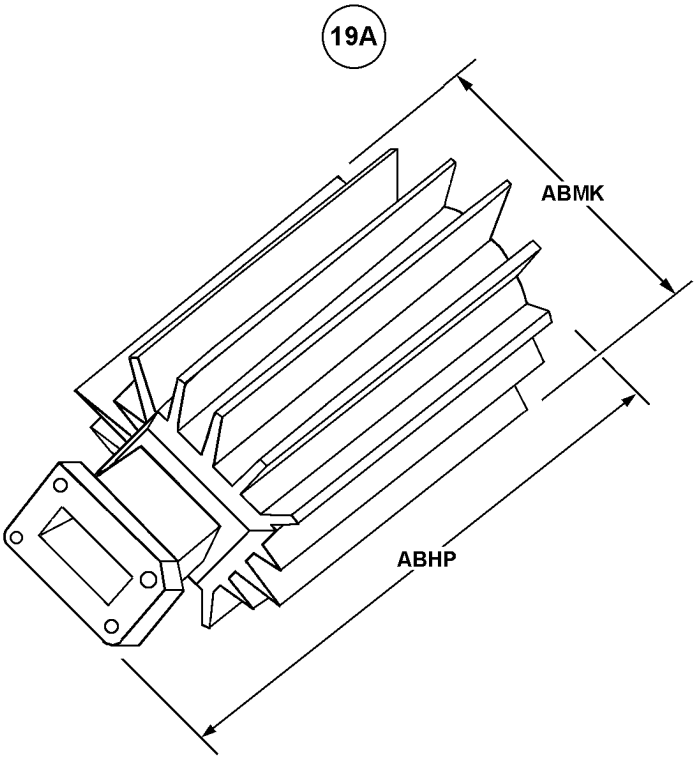
17A



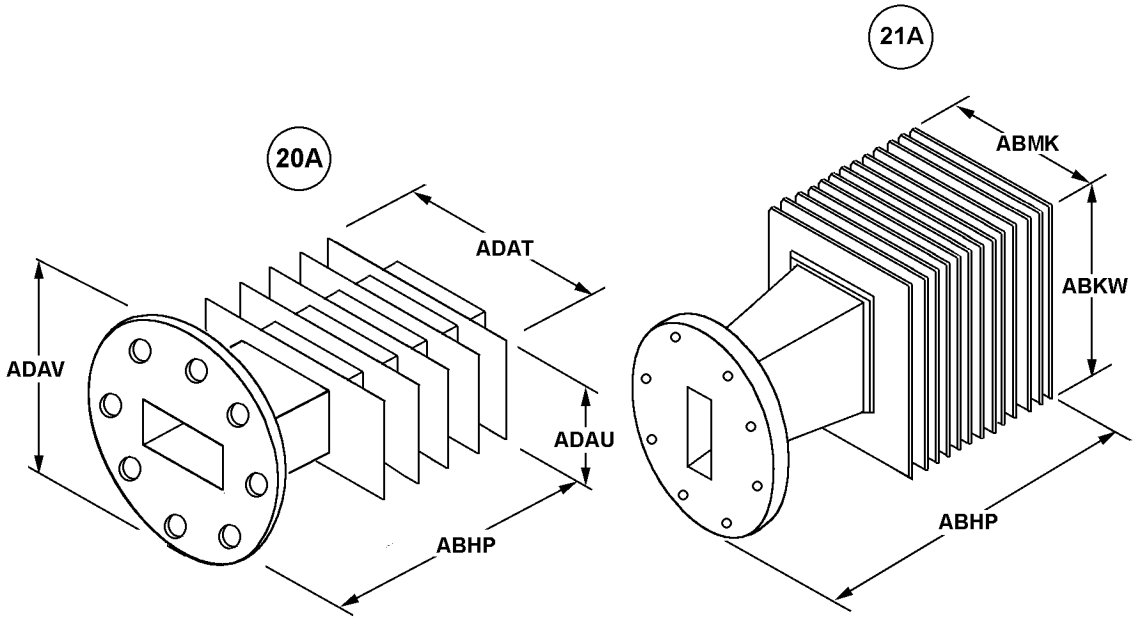
FLANGE, WITHOUT FINS



WAVEGUIDE MOUNTED

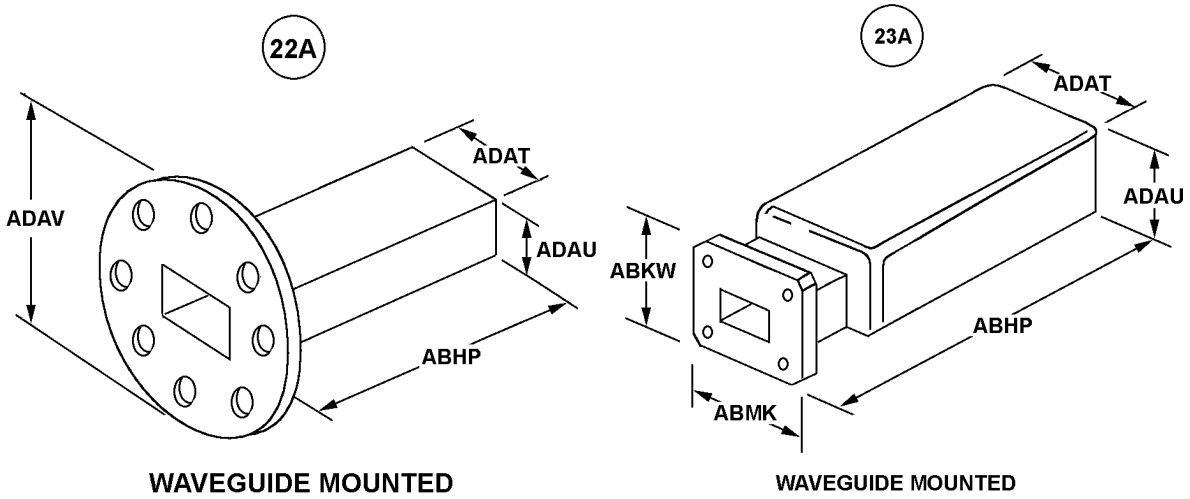


WAVEGUIDE MOUNTED



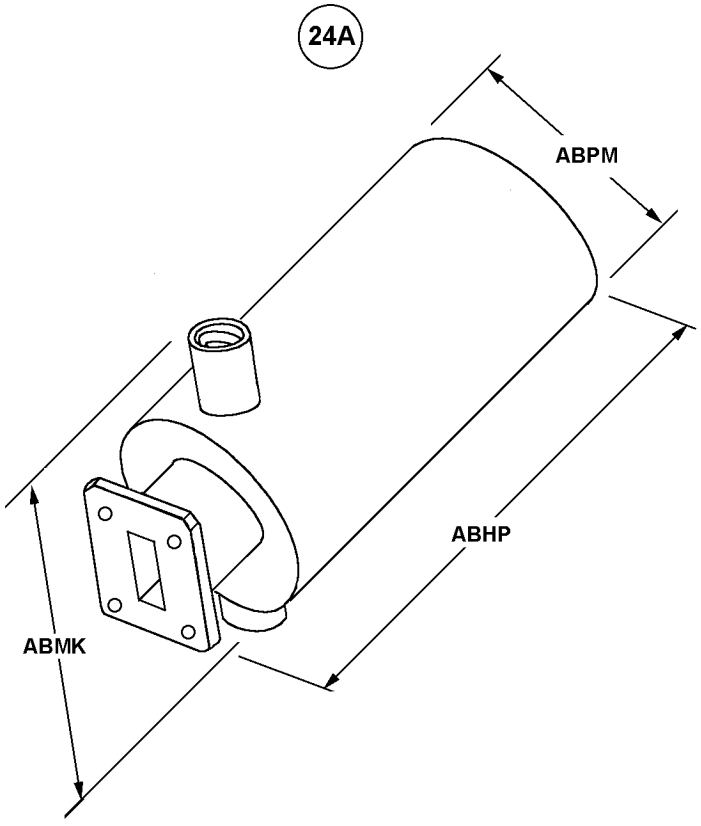
WAVEGUIDE MOUNTED

WAVEGUIDE MOUNTED

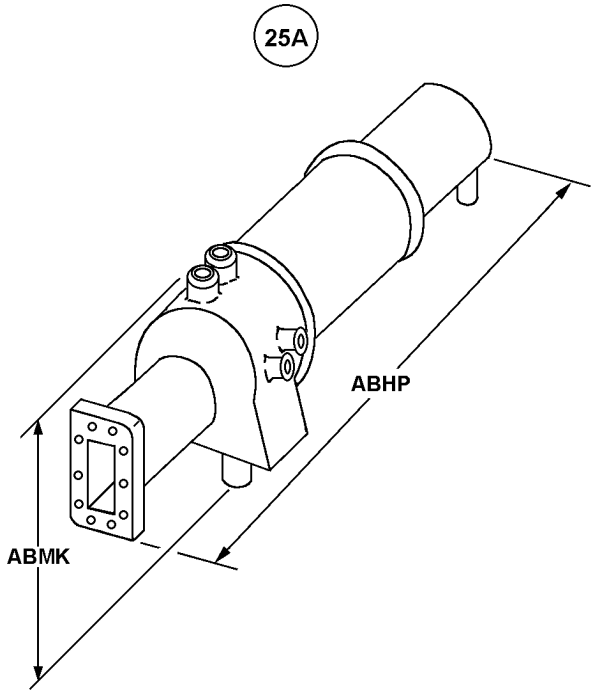


WAVEGUIDE MOUNTED

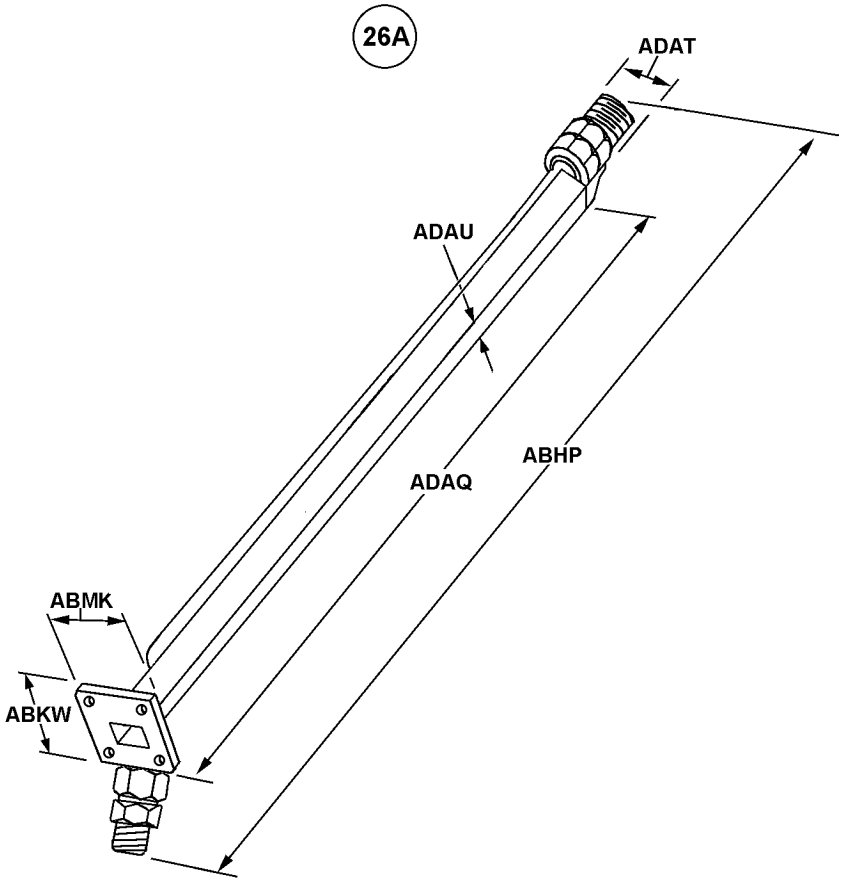
WAVEGUIDE MOUNTED



WAVEGUIDE MOUNTED

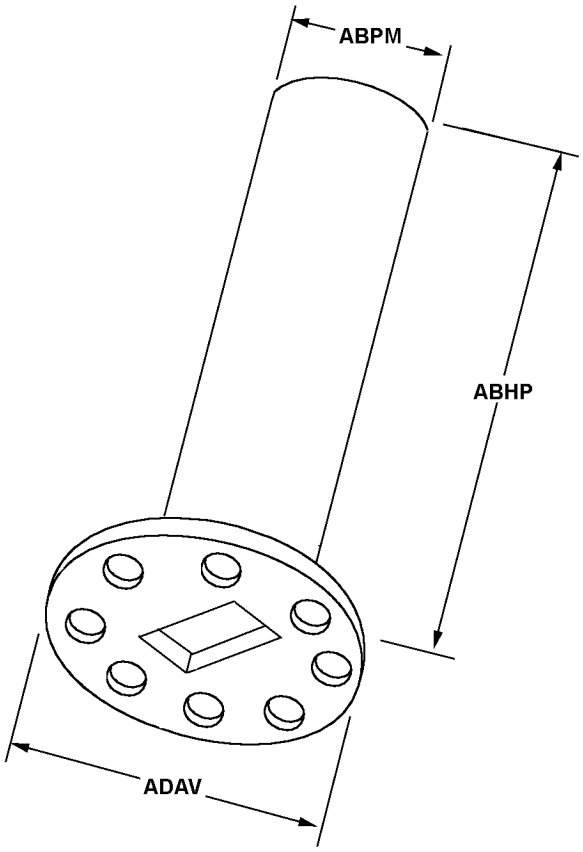


WAVEGUIDE MOUNTED

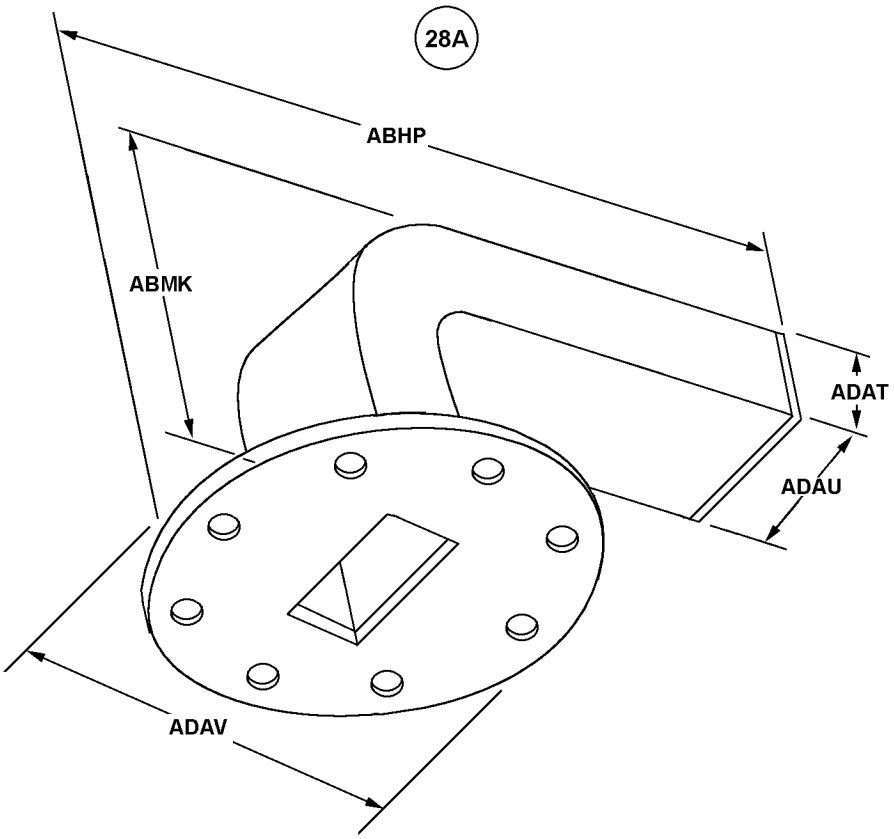


WAVEGUIDE MOUNTED

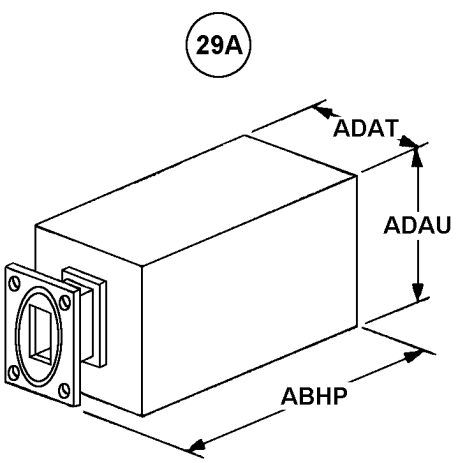
27A



WAVEGUIDE MOUNTED



WAVEGUIDE MOUNTED



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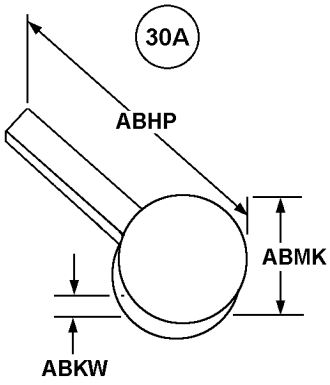
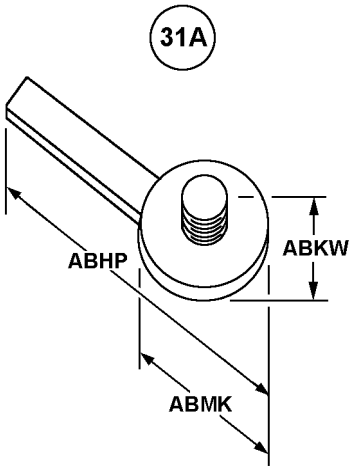
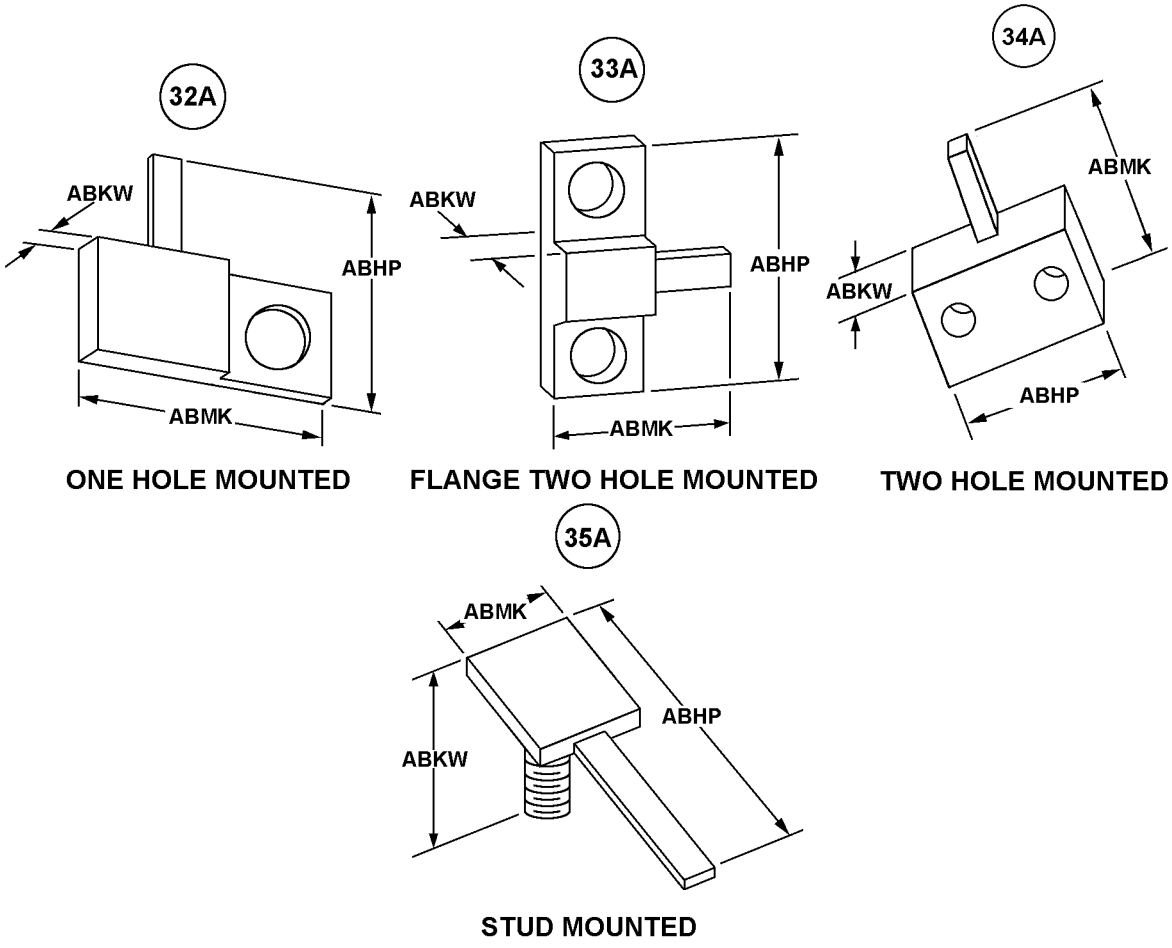


TERMINAL MOUNTED



STUD MOUNTED


32A
ABKW
ABHP
ABMK
ONE HOLE MOUNTED
33A
ABKW
ABHP
ABMK
FLANGE TWO HOLE MOUNTED
34A
ABMK
ABKW
ABHP
TWO HOLE MOUNTED
35A
ABMK
ABHP
ABKW
STUD MOUNTED

Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

WAVEGUIDE TO FLANGE CROSS REFERENCE

WAVEGUIDE TYPE	COVER FLANGE	CHOKE FLANGE	CONTACT FLANGE
RG-48/U	UG-53/U	UG-54B/U	
	UG-55/U	UG-56/U	
	UG-164/U	UG-165/U	UG-65/U
	UG-214/U		UG-66/U
	UG-1724/U		UG-1479/U
RG-49/U	UG-149A/U UG-1728/U	UG-148C/U	UG-1475/U
RG-50/U	UG-247/U	UG-248/U	UG-150/U
	UG-344/U	UG-343B/U	UG-1476/U
	UG-1732/U		
RG-51/U	UG-51/U UG-1734/U	UG-52B/U	UG-1477/U
RG-52/U	UG-39/U UG-1736/U	UG-40B/U	UG-1478/U
RG-53/U	UG-116/U	UG-117/U	
	UG-211/U	UG-210/U	
	UG-595/U	UG-596A/U	
RG-66/U	UG-116/U	UG-117/U	
	UG-210/U	UG-211/U	
	UG-595/U	UG-596/U	
RG-67/U	UG-135/U UG-1737/U	UG-136B/U	UG-1483/U
RG-68/U	UG-138/U UG-1735/U	UG-137B/U	UG-1482/U
RG-69/U	UG-323/U	UG-322/U	UG-319/U (M) UG-320/U (F)
	UG-1714/U		UG-417A/U
RG-75/U	UG-584/U UG-1725/U	UG-585A/U	UG-1484/U
RG-91/U	UG-419/U	UG-541A/U	
RG-95/U	UG-407/U UG-1729/U	UG-406B/U	UG-1480/U
RG-96/U RG-97/U	UG-599/U	UG-600A/U	UG-381/U UG-383/U

WAVEGUIDE TYPE	COVER FLANGE	CHOKE FLANGE	CONTACT FLANGE
			UG-1521/U
RG-98/U			UG-385/U
			UG-1523/U
RG-99/U			UG-387/U
			UG-1522/U
RG-103/U	UG-1720/U	UG-1140/U	UG-418A/U
RG-104/U	UG-1716/U		UG-435A/U
RG-105/U	UG-1711/U		UG-437A/U
RG-106/U	UG-441/U UG-1733/U	UG-440B/U	UG-1481/U
RG-107/U	UG-419/U	UG-541/U	
RG-109/U			UG-509/U
			UG-510/U
RG-110/U			UG-511/U
			UG-512/U
RG-112/U	UG-1712/U		UG-553/U
RG-113/U	UG-1713/U		UG-554/U
RG-121/U	UG-597/U	UG-598A/U	
RG-127/U			UG-933/U
RG-132/U		UG-979/U	
RG-163/U	UG-954/U		
RG-167/U	UG-1196/U	UG-1197/U	
RG-168/U	UG-1198/U	UG-1199/U	
RG-169/U	UG-1200/U	UG-1201/U	
RG-170/U	UG-1202/U	UG-1203/U	
RG-171/U	UG-1204/U	UG-1205/U	
RG-172/U	UG-1206/U	UG-1207/U	
RG-173/U	UG-1208/U	UG-1209/U	
RG-271/U	UG-599/U		
RG-272/U			UG-383/U
RG-273/U			UG-385/U
RG-274/U			UG-387/U
RG-275/U			UG-1524/U
RG-276/U			UG-1525/U
RG-277/U			UG-1526/U
RG-278/U			UG-1527/U
RG-337/U	UG-1715/U		

WAVEGUIDE TYPE	COVER FLANGE	CHOKE FLANGE	CONTACT FLANGE
RG-338/U	UG-1717/U		
RG-340/U	UG-1726/U		
RG-341/U	UG-1727/U		
RG-343/U	UG-1730/U		
RG-344/U	UG-1731/U		
RG-349/U	UG-1165/U	UG-1166/U	
RG-354/U			UG-1530/U
RG-358/U			UG-1529/U
RG-359/U			UG-1528/U

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective February 5, 2010

Corrected the reply example for MRC CBBL to (e.g., CBBLDFNY*).

Changed Reply codes for MRC CBBL. Deleted replies AHM, AHD AND CML. Only one reply necessary.

Added reply FNY……ROHS DIRECTIVE COMPLIANCE.